

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/047057 A2

- (51) International Patent Classification⁷: **B60N 2/66**
- (21) International Application Number:
PCT/US2004/036912
- (22) International Filing Date:
5 November 2004 (05.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/519,304 11 November 2003 (11.11.2003) US
- (71) Applicant (for all designated States except US): **JOHNSON CONTROLS TECHNOLOGY COMPANY** [US/US]; 650 Waverly, Holland, MI 49423 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MICHALAK, Eric, Bernard** [US/US]; 34326 Sheridan, Westland, MI 48185 (US). **BENZING, Robert, Michael** [US/US]; 5161 Blissfield Highway, Britton, MI 49229 (US). **HENSEL, David** [US/US]; 6427 Connaught Court, Canton, MI 48187 (US).
- (74) Agent: **WILKE, James, A.; FOLEY & LARDNER LLP**, 777 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

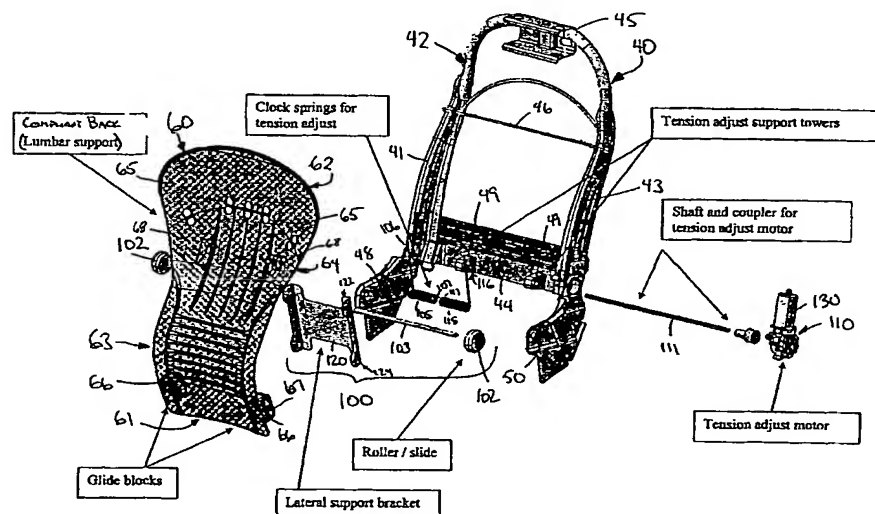
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: SEAT BACK ADJUSTMENT MECHANISM



(57) Abstract: A seat for use by an occupant in a vehicle. The seat includes a seat base configured to be supported in the vehicle. A back frame including a first transverse member, a first side member and a second side member, wherein the first transverse member interconnects each of the side members at a location toward an upper end of the back frame. The back frame further includes a second transverse member interconnecting the first and second side members a spaced distance from the first transverse member. A compliant back member having a first end operably connected to the first transverse member and a second end operably connected to the second transverse member. A biasing member having a first end operatively engaging the compliant back member and a second end being anchored with respect to the back frame wherein when a seat occupant's back applies a force to the compliant back member, the biasing member applies a reaction force.

WO 2005/047057 A2



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.